

## ABSTRACT OF THE INVENTION

A fuel filling apparatus is provided. The fuel filling apparatus comprises an overfilling protective valve arranged in a fuel gas supply path for supplying a fuel gas to an automobile. The overfilling protective valve further comprises a fuel gas path, a valve unit for opening and closing the fuel gas path by a valve body, a valve body displacement means for displacing the valve body according to a filling pressure of the fuel gas, and a temperature modulating unit for modulating a temperature of the valve body displacement means. Even though a difference between the temperature of the fuel gas and the operation temperature of the overfilling protective valve is large, the temperature of the valve body displacement means can be maintained within the preset temperature range by the temperature modulating unit and the overfilling protective valve can be exactly operated under the preset pressure.